

Abstract

METHOD AND ARRANGEMENT FOR DETERMINING A REGULATING
VARIABLE OF A TECHNICAL SYSTEM THAT IS DESCRIBED WITH A
PREDETERMINED MODEL DESCRIPTION IN A PREDETERMINED SPACE

5 A method and an arrangements [sic] are disclosed for determining a
regulating variable of a technical system, whereby the system is described with a
predetermined model description in a predetermined space. In the method, the model
description of the technical system is transformed into a sub-space of the space.
Thereat, a regulator model description is determined from the transformed model
10 description upon employment of a prescribable non-linear regulator model. The
regulator model description is transformed back into the space of the model
description. The regulating variable is determined upon employment of the back-
transformed regulator model description.

Figure 2